

Title (en)
PRIMARY BATTERY SYSTEM

Publication
EP 0128170 B1 19880817 (EN)

Application
EP 83903888 A 19831114

Priority
US 44948582 A 19821213

Abstract (en)
[origin: US4435487A] A battery system (10,110) wherein an electrolyte solution of lithium hydroxide dissolved in seawater is circulated through a battery cartridge (11,111). The system is placed under pressure. A portion of the electrolyte mixture is discharged from the system through a suitable pressure regulating valve (20) while concurrently, fresh seawater is delivered into the system as by a pressurizing pump (17). The increased pressure acts to increase the density of the gaseous portion of the ejected gas liquid mixture, reduce the volume of the gaseous portion of the ejected gas-liquid mixture, thereby reducing the total volume of the ejected mixture, and reduce the ratio of gas volume to liquid volume in the system as well as the ejected gas-liquid mixture.

IPC 1-7
H01M 6/34

IPC 8 full level
D21C 3/00 (2006.01); **C13K 13/00** (2006.01); **D21C 3/04** (2006.01); **D21C 3/20** (2006.01); **D21C 11/00** (2006.01); **H01M 6/34** (2006.01); **H01M 6/50** (2006.01); **H01M 50/77** (2021.01)

IPC 8 main group level
H01M (2006.01)

CPC (source: EP US)
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US 4435487 A 19840306; AU 2341584 A 19840705; AU 552820 B2 19860619; CA 1212413 A 19861007; DE 3377759 D1 19880922; EP 0128170 A1 19841219; EP 0128170 A4 19850626; EP 0128170 B1 19880817; ES 527485 A0 19850101; ES 8502576 A1 19850101; IT 1180654 B 19870923; IT 8349482 A0 19831212; JP H0713899 B2 19950215; JP S58502155 A 19831215; JP S59502162 A 19841227; MX 154412 A 19870811; WO 8402428 A1 19840621

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